

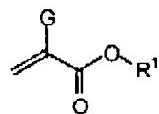
Application No. 10/050,711
Amendment After Final Action dated March 23, 2004
Reply to Office Action of December 19, 2003

AMENDMENT TO THE CLAIMS:

1. (Previously Presented) A (meth)acrylate composition comprising
a (meth)acrylate component; and
a dye substantially dissolved in said (meth)acrylate component which imparts a first color to said (meth)acrylate component, wherein upon curing, a resultant cured composition has a second color, and wherein said dye comprises xanthene dyes, and optionally, anthraquinone dyes, wherein said xanthene dye is selected from the group consisting of fluorescein, dibromofluorescein, diiodofluorescein, tetrabromofluorescein, tetraiodofluorescein, tetrabromotetrachlorofluorescein and combinations thereof.

2. (Original) The composition of Claim 1, wherein upon curing, the resultant cured composition is substantially free of the first color.

3. (Original) The composition of Claim 1, wherein said (meth)acrylate component comprises one or more members selected from the group consisting of
a monomer represented by the formula:



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wherein G is hydrogen, halogen, or an alkyl having from 1

to 4 carbon atoms, R¹ has from 1 to 16 carbon atoms and is

an alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkaryl,

aralkyl- or aryl group, optionally substituted or

interrupted with silane, silicon, oxygen, halogen,

carbonyl, hydroxyl, ester, carboxylic acid, urea, urethane,

carbamate, amine, amide, sulfur, sulfonate, or sulfone;

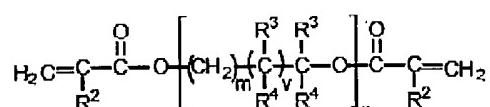
a di- or tri- (meth)acrylate comprising polyethylene

glycol di(meth)acrylates, bisphenol-A di(meth)acrylates

tetrahydrofuran di(meth)acrylates, hexanediol

di(meth)acrylate, trimethylol propane tri(meth)acrylate, or

an acrylate ester represented by the formula:

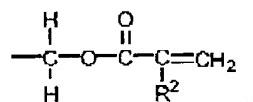


wherein R² is hydrogen, halogen, or an alkyl having about 1

to about 4 carbon atoms, R³ is hydrogen, an alkyl having

about 1 to about 4 carbon atoms, hydroxyalkyl having about

1 to about 4 carbon atoms or

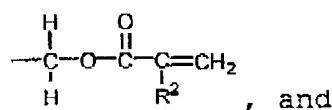


R^4 is hydrogen, hydroxy or

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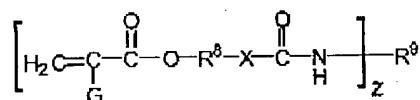
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m is 1 to 8, n is 1 to 20, and v is 0 or 1.

4. (Original) The composition of Claim 1, wherein said (meth)acrylate component comprises urethane acrylates or ureide acrylates represented by the formula:



wherein

G is hydrogen, halogen, or an alkyl having from 1 to 4 carbon atoms;

R³ denotes a divalent aliphatic, cycloaliphatic, aromatic, or araliphatic group, bound through a carbon atom or carbon atoms thereof indicated at the -O- atom and -X- atom or group;

X is -O-, -NH-, or -N(alkyl)-, in which the alkyl radical has from 1 to 8 carbon atoms;

z is 2 to 6; and

R⁹ is a z-valent cycloaliphatic, aromatic, or araliphatic group bound through a carbon atom or carbon atoms thereof to the one or more NH groups.

5. (Currently Amended) The composition of Claim 1, wherein said (meth)acrylate component [comprises] includes

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(meth)acrylate monomers selected from the group consisting of

polyethylene glycol di(meth)acrylates, bisphenol-A

di(meth)acrylates, tetrahydrofuran (meth)acrylates and

di(meth)acrylates, citronellyl acrylate and citronellyl

methacrylate, hydroxypropyl (meth)acrylate, hexanediol

di(meth)acrylate, trimethylol propane tri(meth)acrylate,

tetrahydronyclopentadienyl (meth)acrylate, ethoxylated

trimethylol propane triacrylate, triethylene glycol acrylate,

triethylene glycol methacrylate, and combinations thereof.

Claims 6 and 7. (Cancelled)

8. (Original) The composition of Claim 1, wherein
said dye is present in an amount of about 50 ppm to about 1000
ppm based on the amount of said (meth)acrylate component.

9. (Original) The composition of Claim 1, wherein
said dye is present in an amount of about 100 to about 200 ppm
based on the amount of said (meth)acrylate component.

10. (Original) The composition of Claim 1, wherein
said dye comprises tetraiodofluorescein.

11. (Original) The composition of Claim 1, further
comprising a member selected from the group consisting of
stabilizers, accelerators, fillers, opacifiers, thickeners,
viscosity modifiers, adhesion promoters, inhibitors, thixotropy

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conferring agents, tougheners, anti-oxidizing agents, anti-reducing agents, and combinations thereof.

Claims 12-14. (Cancelled).

15. (Original) A method of making a cured composition comprising the steps of

providing the (meth)acrylate composition of Claim 1;

and

curing the composition to form a cured composition having a second color.

16. (Previously Presented) The method of Claim 15, wherein prior to the step of curing the (meth)acrylate component, the (meth)acrylate component has a first color which is fluorescent.

17. (Previously Presented) The method of Claim 15, wherein after the step of curing the (meth)acrylate component, the cured composition is substantially free of the first color.

18. (Cancelled).

19. (Original) The method of Claim 15, wherein the step of curing comprises photocuring.

20. (Currently Amended) A method of detecting substantially full cure of an adhesive comprising the steps of providing a first article and a second article;

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providing, on a surface of the first article, the

(meth)acrylate composition of Claim 1; [and]

contacting a surface of the second article to the

surface of the first article having the (meth)acrylate

composition thereon; and

exposing the first and second articles to cure

conditions.

21. (Previously Presented) The method of Claim 20,

wherein in the step of providing a (meth)acrylate composition

comprising a (meth)acrylate component and a dye, the dye is

selected from the group consisting of fluorescein,

dibromofluorescein, diiodofluorescein, tetrabromofluorescein,

tetraiodofluorescein, tetrabromotetrachlorofluorescein, and

combinations thereof.

22. (Original) The method of Claim 20, further

including the step of detecting the absence of the first color

after exposing the first and second articles to cure conditions.

23. (Previously Presented) A method of assembling and

inspecting a series of articles having an adhesive bond line

comprising the steps of

adhering two or more parts of an article together with

the (meth)acrylate composition of Claim 1, wherein an

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adhesive bond line is formed between the parts of the

article; and

exposing the article to cure conditions.

24. (Previously Presented) The method of Claim 23, wherein in the step of adhering two or more parts of an article together with the (meth)acrylate composition, the (meth)acrylate composition has a first color.

25. (Previously Presented) The method of Claim 24, further including the step of detecting the absence of the first color after exposing the article to cure conditions.